

January 1, 2015

**CURRICULUM VITAE**  
G. Caleb Alexander, MD, MS

**PERSONAL DATA**

*Business Address*

Johns Hopkins School of Public Health  
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**EDUCATION AND TRAINING**

1988-1990	Candidate for BA, Oberlin College
1991-1993	University of Pennsylvania, BA (Philosophy)
1994-1998	Case Western Reserve University, MD
1998-1999	Intern, Internal Medicine, University of Pennsylvania
1999-2001	Resident, Internal Medicine, University of Pennsylvania
2001-2003	Robert Wood Johnson Clinical Scholar, University of Chicago
2002-2003	University of Chicago, Department of Health Studies, MS

*Medical Licensure*

Illinois Physician and Controlled Substance License, through 2014  
Drug Enforcement Agency Controlled Substance Licensure, through 2014  
Maryland Physician and Controlled Substance License, through 2014

*Medical Board Certification*

American Board of Internal Medicine, through 2021

**PROFESSIONAL EXPERIENCE**

2014-	Affiliate Faculty, Center for Health Services and Outcomes Research (CHSOR), Johns Hopkins University
2012-	Associate Professor of Epidemiology and Medicine, Johns Hopkins Bloomberg School of Public Health

2012-	Founding Co-Director, Johns Hopkins Center for Drug Safety and Effectiveness
2011-2012	Associate Professor, Division of General Medicine, University of Chicago
2007-2012	Affiliate Faculty, Center for Interdisciplinary Health Disparities Research (CIHDR), University of Chicago
2005-	Adjunct Research Associate, Department of Pharmacy Practice, University of Illinois at Chicago School of Pharmacy
2005-2011	Assistant Professor, Division of General Medicine, University of Chicago
2003-2005	Instructor, Division of General Medicine, University of Chicago
2003-2006	Affiliate Faculty, Robert Wood Johnson Clinical Scholars Program
2003-2012	Affiliate Faculty, MacLean Center for Clinical Medical Ethics
2001-2003	Off-tour attending physician, Veterans Affairs Hospital, Hines, Illinois

## PROFESSIONAL ACTIVITIES

### *Society Membership and Leadership*

1998-2001	Philadelphia County Medical Society
1998-2009	American Medical Association
1998-	Physicians for Social Responsibility
1998-	Alpha Omega Alpha Medical Honors Society
2000-	Society for General Internal Medicine
2000-	American College of Physicians
2003-2009	American Society of Bioethics and Humanities
2006-2007	Chair, Program Committee, RWJ Faculty Scholars National Meeting
2006	Member, Program Committee, RWJ Faculty Scholars National Meeting
2007-	International Society for Pharmacoeconomics and Outcomes Research (ISPOR)
2008	Selection Committee, Midcareer Research Mentorship Award, SGIM
2009-	International Society for Pharmacoepidemiology (ISPE)

### *Participation on Advisory Panels*

2000-2003	Transplant Task Force, End Stage Renal Disease Renal Network #9/#10
2005	American Society of Bioethics and Humanities President's Advisory Committee on Ethics Standards
2007-2011	Cost of Cancer Care Task Force, American Society of Clinical Oncology
2008-	Charter Member, IMS Health Services Research Network
2010-2014	FDA, Drug Safety and Risk Management Advisory Committees, Ad Hoc Member <ul style="list-style-type: none"> <li>• October 2010 Cardiovascular and Renal Committee to discuss Darbapoeitin alpha</li> <li>• October 2012 Endocrinologic and Metabolic Committee to discuss lomitapide tablets and mipomersen injection</li> <li>• July 2013 Arthritis Advisory Committee to discuss the Assessment of Spondyloarthritis International Society (ASAS) criteria for axial spondyloarthritis and the implications of using these criteria for drug approval</li> <li>• November 2013 Peripheral and Central Nervous System Drugs Advisory Committee to discuss Alemtuzumab for the treatment of multiple sclerosis</li> <li>• May 2014 Public meeting to discuss the Post Marketing Requirements for the Class Wide Extended-Release/Long-Acting Opioid Analgesics</li> </ul>
6/2014-1/2018	Chairman, FDA Peripheral and Central Nervous System Drugs Advisory Committee

## *Consultations*

2009- Consultant, IMS Health

## *Testimony*

2012 Impact of Approved Drug Labeling on Chronic Opioid Therapy, Public Hearing, Food and Drug Administration

## **EDITORIAL ACTIVITIES**

### ***Peer Review Activities***

#### *Ad hoc reviewer – Journals*

American Journal of Kidney Diseases	Health Services Research
American Journal of Managed Care	Hypertension
American Journal of Medicine	International Journal of Quality Improvement
American Journal of Preventive Medicine	JAMA
American Journal of Public Health	Journal of American College Health
Annals of Internal Medicine	Journal of the American Pharmacists Association
Archives of Internal Medicine	Journal of the American Society of Nephrology
BioMed Central (BMC) Gastroenterology	Journal of Clinical Ethics
BioMed Central (BMC) Infectious Diseases	Journal of General Internal Medicine
British Journal of Cancer	Journal of Rural Health
British Medical Journal	Medical Care
Canadian Medical Association Journal	Medical Decision Making
Clinical Therapeutics	Milbank Quarterly
CNS Drugs	New England Journal of Medicine
Disease Management and Health Outcomes	PharmacoEconomics
Drugs	Pharmacoepidemiology and Drug Safety
Health Affairs	Social Science and Medicine

### ***Editorial Board Memberships***

2007-2010	Medical Decision Making, Deputy Editor
2008-2012	Journal of General Internal Medicine, Deputy Editor
2008-2010	Society of General Internal Medicine Forum, Associate Editor
2010-2011	BMC Health Services Research, Associate Editor
2012-	Journal of the American Pharmacists Association (JAPhA), Editorial Board
2012-	Medical Care, Deputy Editor
2012-	Journal of General Internal Medicine, Editorial Board
2013-	Drug Safety, Editorial Board
2014-	Drugs – Real World Outcomes, Editorial Board

## *Grants*

1. The Netherlands Organization for Health Research and Development (ZonMw), The Ministry of Health, Welfare, and Sport, The Hague, The Netherlands (2007)
2. The University of Chicago Program for Pharmaceutical Policy (2007-2010)

3. University of Chicago/University of Illinois at Chicago CDC Center for Health Promotion Economics (2007)
4. The University of Chicago Diabetes Research and Training Center (2008).
5. Agency for Healthcare Research and Quality, Special Emphasis Panel (R18), “Optimizing Prevention and Healthcare Management for the Complex Patient.” March 2008.
6. RFA 09-003. NIH Challenge Grants in Health and Science Research (RC21). April 2009.
7. National Institute of Aging Special Emphasis Panel (PO1). Medical Professionalism and Healthcare Grants. November 2009.
8. Agency for Healthcare Research and Quality Special Emphasis Panel (R18). Comparative Effectiveness Delivery System Demonstration Grants. July 2010.
9. Agency for Healthcare Research and Quality. Centers for Education and Research in Therapeutics (CERT) (U-19) Special Emphasis Panel. July 2011.
10. Swiss National Science Foundation. Drug Lag in Switzerland: Does it Exist and Why? June 2012.
11. Dutch Ministry of Health Grant Review. Optimizing the use of Over-the-Counter Medicines. October 2012.
12. Qatar National Research Fund Reviewer. November 2012.
13. Veterans Health Affairs Health Services Research and Development (HSR&D) Center of Innovation Review. February 2012.
14. Agency for Healthcare Research and Quality. Ad hoc member of Health Care Research Training (HCRT) Study Section. January 2014 – Present.
15. Canadian Institutes of Health Research (CIHR). Review Committee for the Drug Safety and Effectiveness Network (DSEN) and the Strategy for Patient-Oriented Research (SPOR) Catalyst Grant: Methods in Post-Market Drug Safety and Effectiveness Research. January 2015.

## HONORS AND AWARDS

### *Honors*

1993	Cum Laude, University of Pennsylvania
1997	Alpha Omega Alpha, Case Western Reserve University
2003-2005	John A. Oremus Memorial Scholar (b) (6) Research Stipend), MacLean Center for Medical Ethics, University of Chicago
2006	Top 5% of reviewers, Medical Care (also received annually through 2011)
2007	Top 10% of reviewers, Ann Intern Med (also received annually through 2009)
2011	Elected Fellow of the American College of Physicians (FACP)
2011	Top Reviewers, Pharmacoepidemiology and Drug Safety (annually through 2013)

### *Awards*

2001	Edward W. Holmes Resident Research Award, University of Pennsylvania
2006-2009	Robert Wood Johnson Foundation Faculty Scholar Career Development Award
2007	Research Finalist, International Society for Pharmacoeconomics and Outcomes Research, Annual Meeting
2008	Outstanding Physician Scientist Award, Central Society for Clinical Research
2008	Career development award ( (b) (6) Research Stipend), Central Society for Clinical Research
2008	Department of Medicine Research Award (awarded to trainee for mentored research; also received by mentored trainees in 2009 and 2010)
2009	Pritzker School of Medicine Sigma Xi Award for Impact on Science (awarded to trainee for mentored research)

## PUBLICATIONS

### *Peer Reviewed Journal Articles* (b) (6)

1. Szele F, **Alexander GC**, Chesselet MF. "Expression of molecules associated with neuronal plasticity in the striatum after aspiration versus thermocoagulatory lesions in the adult cortex in adult rats." *Journal of Neuroscience*. 1995;15:4429-4448. PMID: 7790918
2. **Alexander GC**, Fera B, Ellis R. "From the students: learning continuous improvement by doing it." *Joint Commission Journal on Quality Improvement*. 1996;22:198-205. PMID: 8664952
3. **Alexander GC**, Sehgal AR. Dialysis patient assessments of the quality of medical care provided by generalists, nephrologists and other specialists. *American Journal of Kidney Disease*. 1998;32:284-289. PMID: 9708614
4. **Alexander GC**, Sehgal AR. Barriers to cadaveric renal transplantation among blacks, women, and the poor. *JAMA*. 1998;280:1148-1152. PMID: 9777814  
Editorial: Milford EL. Organ transplantation--barriers, outcomes, and evolving policies. *JAMA*. 1998;280:1184-1185. PMID: 9777820
5. Lewin L, Agneberg B, **Alexander GC**. A course in end-of-life care for third year medical students. *Academic Medicine*. 2000;57:519-520. PMID: 10824792
6. **Alexander GC**, Sehgal AR. Why hemodialysis patients fail to complete the transplant process. *American Journal of Kidney Disease*. 2001;37:321-328. PMID: 11157373  
Editorial: Chertow GM, Zenios SA. Gridlock on the road to kidney transplantation. *American Journal of Kidney Disease*. 2001;37:435-437. PMID: 11157389
7. Werner RM, **Alexander GC**, Fagerlin A, Ubel PA. The "hassle factor": How physicians respond when third party payers decline reimbursement for important health care services. *Archives of Internal Medicine*. 2002;162:1134-1139. PMID: 12020183
8. **Alexander GC**, Sehgal AS. Variation in access to kidney transplantation across dialysis facilities: using process of care measures for quality improvement. *American Journal of Kidney Disease*. 2002;40:824-831. PMID: 12324919

Editorial: Powe NR, Boulware LE. The uneven distribution of kidney transplants: getting at the root causes and improving care. *American Journal of Kidney Disease*. 2002;40:861-863. PMID: 12324926

9. **Alexander GC**, Werner RM, Fagerlin A, Ubel PA. Public support for physician deception of insurance companies. *Annals of Internal Medicine*. 2003;138:472-475. PMID: 12639080
10. **Alexander GC**, Wynia MK. Ready and willing? Physicians' sense of preparedness for bioterrorism. *Health Affairs*. September/October 2003;22:189-197. PMID: 14515895
11. **Alexander GC**, Casalino LP, Meltzer DO. Patient-physician communication about out-of-pocket costs. *JAMA*. 2003;290:953-958. PMID: 12928475
12. **Alexander GC**, Werner RM, Ubel PA. The costs of denying scarcity. *Archives of Internal Medicine*. 2004;164:593-596. PMID: 15037486
13. **Alexander GC**, Casalino LP, Tseng CW, McFadden D, Meltzer DO. Barriers to patient-physician communication about out-of-pocket costs. *Journal of General Internal Medicine*. 2004;19:856-860. PMCID: PMC1492500
14. **Alexander GC**, Tseng CW. Strategies to identify and assist patients burdened by out-of-pocket prescription costs. *Cleveland Clinic Journal of Medicine*. 2004;71:433-437. PMID: 15195778
15. Werner RM, **Alexander GC**, Fagerlin A, Ubel PA. Lying to insurance companies: the desire to deceive among physicians and the public. *American Journal of Bioethics*. 2004;4:1-7. PMID: 16192208
16. Dai C, Stafford RS, **Alexander GC**. National trends in Cox-2 inhibitor use since market release: non-selective diffusion of a selectively cost-effective innovation. *Archives of Internal Medicine*. 2005;165:171-177. PMID 15668363
- Editorial: Solomon DH, Avorn J. Coxibs, science, and the public trust. *Archives of Internal Medicine*. 2005;165:158-160. PMID: 15668360
17. **Alexander GC**, Casalino LP, Metlzer DO. Physician strategies to reduce patients' out-of-pocket prescription costs. *Archives of Internal Medicine*. 2005;165:633-636. PMID: 15795338
18. Buss MK, **Alexander GC**, Switzer GE, Arnold RM. Assessing competence of residents to discuss end-of-life issues with patients. *Journal of Palliative Medicine*. 2005;8:363-371. PMID: 15890047
19. Lang P, Schwarze M, **Alexander GC**. New technologies meeting old professional boundaries: the emergence of carotid artery stenting. *Journal of the American College of Surgery*. 2005;200:854-860. PMID: 15922195
20. **Alexander GC**, Mohajir N, Meltzer DO. Consumers' perceptions about risk of and access to nonprescription medications. *J Am Pharm Assoc*. 2005;45:363-70. PMID: 15991758
21. Wang YR, **Alexander GC**, Meltzer DO. Lack of effect of guideline changes on LDL cholesterol reporting and control for diabetes visits in the U.S., 1995-2004. *Diabetes Care*. 2005;28:2942-4. PMID: 16306559

22. **Alexander GC**, Kurlander J, Wynia MK. Physicians in retainer (“concierge”) practice: a national survey of physician, patient, and practice characteristics. *Journal of General Internal Medicine*. 2005;20:1079-83. PMCID: PMC1490281
23. **Alexander GC**, Lantos J. The doctor-patient relationship in the post-managed care era. *American Journal of Bioethics*. 2006;6:29-32. PMID: 16423784
24. Wang YR, **Alexander GC**, Meltzer DO. Screening and use of cholesterol-lowering drug therapy for primary and secondary prevention of coronary heart disease, 1999 and 2003. *Managed Care Interface*. 2006;19:25-30. PMID: 16453992
25. Piette J, Heisler M, Horne R, **Alexander GC**. A conceptually-based approach to understanding chronically-ill patients’ responses to medication cost pressures. *Social science and medicine*. 2006;62:846-857. PMID: 16095789
26. Holmes HM, Cox-Hayley DM, **Alexander GC**, Sachs GA. Reconsidering medication appropriateness for patients late in life. *Archives of Internal Medicine*. 2006;166:605-609. PMID: 16567597
27. Schwarze ML, Sayla MA, **Alexander GC**. Exploring patient preferences for infrainguinal bypass surgery. *Journal of the American College of Surgery*. 2006;202:445-452. PMID: 16500249
28. **Alexander GC**, Delisser HM, Hansen-Flaschen J, Lantos J. Shoring up professionalism: building upon disagreements between house officers and attending physicians. *Canadian Family Physician*. 2006;52:286-287. PMCID: PMC1479701
29. **Alexander GC**, Sayla MA, Holmes HM, Sachs GA. Prioritizing and stopping prescription medicines. *Canadian Medical Association Journal*. 2006;174:1083-1084. PMCID: PMC1421477
30. **Alexander GC**, Hall M, Lantos J. Rethinking professional ethics in the cost-sharing era. *American Journal of Bioethics*. 2006;6:W17-W22. PMID: 16885085
31. Federman AD, **Alexander GC**, Shrank WH. Simplifying the Medicare Prescription Drug Benefit for physicians and patients. *Mayo Clinic Proceedings*. 2006;81:1217-1221. PMID: 16970218
32. Quinn MT, **Alexander GC**, Hollingsworth D, O’Connor KG, Meltzer DO, for the Corporate Contributions for Life Consortium. Design and evaluation of a workplace intervention to promote organ donation. *Progress in Transplantation*. 2006;16:253-259. PMID: 17007162
33. Colker TR, Casalino LP, **Alexander GC**, Lantos J. Should our well-child care system be redesigned? A national survey of pediatricians. *Pediatrics*. 2006;118:1852-1857. PMID: 17079554
34. **Alexander GC**, Larkin G, Wynia MK. Preparedness for bioterror and competing public health priorities: a national survey of primary care and emergency physicians. *Academic Emergency Medicine*. 2006;13:1238-1241. PMID: 16614456
35. Wang YR, **Alexander GC**, Stafford RS. Outpatient treatment and control of hypertension in Western Europe and the United States. *Archives of Internal Medicine*. 2007;167:141-147. PMID: 17242314

36. Schwarze ML, Sayla MA, **Alexander GC**. A comparison of patient and physician beliefs about infrainguinal bypass surgery: what role should surgical optimism play? *Surgery*. 2007;141:239-244. PMID: 17263981
37. Casalino LP, **Alexander GC**, Jin L, Konetzka T. General internists' views on pay-for-performance and public reporting of quality scores: a national survey. *Health Affairs*. 2007;26:492-499. PMID: 17339678
38. Pham HH, **Alexander GC**, O'Malley AS. Physician consideration of patients' out-of-pocket costs in making common clinical decisions. *Archives of Internal Medicine*. 2007;167:663-668. PMID: 17420424
39. Torke A, **Alexander GC**, Lantos J, Siegler M. The doctor-surrogate relationship. *Archives of Internal Medicine*. 2007;167:1117-1121. PMID: 17563018
40. Kuwabara SA, Van Voorhees BW, Gollan JK, **Alexander GC**. A qualitative exploration of depression in emerging adulthood. *General hospital psychiatry*. 2007;29:317-324. PMCID: PMC2769013
41. Tseng CW, Brook RH, Keeler E, Steers WN, **Alexander GC**, Waitzfelder BE, Mangione CM. Elderly patients' preferences and experiences with providers in managing their drug costs. *Journal of the American Geriatrics Society*. 2007;55:1974-1980. PMID: 17944892
42. Phongsak SK, Wynia MK, Gadon M, **Alexander GC**. Original Communication: A Qualitative Study of Physicians' Engagement in Reducing Health Care Disparities. *Journal of the National Medical Association*. 2007;99:1315-1322. PMCID: PMC2575935
43. Yin W, Basu A, Zhang J, Rabbani A, Meltzer DO, **Alexander GC**. Impact of the Medicare Part D Prescription Drug Benefit on drug utilization and out-of-pocket expenditures. *Annals of Internal Medicine*. 2008;148:169-177. PMID: 18180465  
     Editorial: Stuart B. Where are the Medicare Part D claims data? *Annals of Internal Medicine*. 2008;148:1-2. PMID: 18180463
44. **Alexander GC**, Zhang J, Basu A. Characteristics of patients receiving pharmaceutical samples and association between sample receipt and out-of-pocket prescription costs. *Medical Care*. 2008;46:394-402. PMID 18362819
45. **Alexander GC**, Lin S, Sayla M, Wynia MK, Writing for the Data Committee of the Commission to End Health Care Disparities. Development of a measure of physician engagement in addressing racial and ethnic health care disparities. *Health Services Research*. 2008;43(2):773-84. PMCID: PMC2442375
46. Rabbani A, **Alexander GC**. Out-of-pocket and total costs of fixed dose combination antihypertensives and their components. *American Journal of Hypertension*. 2008;21(5):509-13. PMID: 18437141  
     Editorial: Arredondo A. Out-of-pocket costs to users: medicine options for hypertension. *American Journal of Hypertension*. 2008;21:492-492. PMID: 18437138
47. Torke A, Simmerling M, Siegler M, Kaya D, **Alexander GC**. Rethinking the ethical framework for surrogate decision-making: a qualitative study of physicians. *Journal of Clinical Ethics*. 2008;19:110-119. PMID: 18767471



48. Torke A, **Alexander GC**, Lantos J. Substituted judgment: the limitations of autonomy in surrogate decision-making. *Journal of General Internal Medicine*. 2008;23:1514-1517. PMCID: PMC2518005
49. Zhang J, Yin W, Sun S, **Alexander GC**. Impact of the Medicare Prescription Drug Benefit on the use of generic drugs. *Journal of General Internal Medicine*. 2008;23:1673-1678. PMCID: PMC2533371
50. **Alexander GC**, Sehgal NL, Moloney RM, Stafford RS. National trends in treatment for Type 2 diabetes mellitus, 1994-2007. *Archives of Internal Medicine*. 2008;168:2088-2094. PMCID: PMC2868588
51. Epstein AJ, Rathore SR, **Alexander GC**, Ketcham J. Physicians' Views on Access to Prescription Drugs under Medicare Part D. *American Journal of Managed Care*. 2008;14:SP5-SP13. PMID: 18991482
52. Peek ME, Tang H, **Alexander GC**, Chin MH. National prevalence of lifestyle counseling or referral among African Americans with diabetes. *Journal of General Internal Medicine*. 2008;23:1858-1864. PMCID: PMC2585691
53. Walton SM, Schumock GT, Lee KV, **Alexander GC**, Meltzer D, Stafford RS. Prioritizing medications for policy and research initiatives examining off-label prescribing. *Pharmacotherapy*. 2008;28:1443-1452. PMID: 19025425
54. Qato DM, **Alexander GC**, Conti RM, Johnson M, Schumm P, Lindau ST. Use of prescription and over-the-counter medicines and dietary supplements among older adults in the United States: findings from a population-based study. *JAMA*. 2008;300:2867-2878. PMCID: PMC2702513
55. Schwarze ML, Sayla MA, **Alexander GC**. Do patients with poor outcomes regret having had infrainguinal bypass surgery? *Journal of Surgical Research*. 2009;151:6-9. PMID: 17644108
56. **Alexander GC**, Stafford RS. Does comparative effectiveness have a comparative edge? *JAMA*. 2009;301:2488-2490. PMID 19531789
57. Rabbani A, **Alexander GC**. Determinants of health care use among children: evidence from rural Bangladesh. *Journal of Biosocial Science*. 2009;41:645-660. PMID: 19531272
58. Chen DT, Wynia MK, Moloney RM, **Alexander GC**. Physician knowledge of the FDA-approved indications of commonly prescribed drugs: results of a national survey. *Pharmacoepidemiology and Drug Safety*. 2009;18:1094-100. PMID: 19697444
59. Caskey R, Lindau ST, **Alexander GC**. Knowledge and early adoption of the HPV vaccine among adolescent girls and young women: results of a national survey. *Journal of Adolescent Health*. 2009;45:453-462. PMID: 19837351
- Editorial: Rodewald LE, Orenstein WA. Vaccinating adolescents – new evidence of challenges and opportunities. *Journal of Adolescent Health*. 2009;45:427-429. PMID: 19837347
60. Rathore SR, Ketcham J, **Alexander GC**, Epstein AJ. Influence of Patient Race on Physician Prescribing Decisions: A Randomized On-line Experiment. *Journal of General Internal Medicine*. 2009;11:1183-1191. PMCID: PMC2771231

61. Rabbani A, **Alexander GC**. Cost savings associated with filling a three month supply of prescription medicines. *Applied Economics and Health Policy*. 2009;7:255-264. PMID: 19905039
62. Torke AM, Siegler M, Abalos A, Moloney R, **Alexander GC**. Physicians' experience with surrogate decision making for hospitalized adults. *Journal of General Internal Medicine*. 2009;24:1023-1029. PMCID: PMC2726893
63. Rabbani A, **Alexander GC**. The impact of family structure on stimulant use among children with Attention Deficit Hyperactivity Disorder. *Health Services Research*. 2009;44:2060-2078. PMID: 19732168
64. **Alexander GC**, Humensky J, Guerrero C, Park H, Loewenstein G. Physician narcissism, ego threats, and confidence in the face of uncertainty. *Journal of Applied Social Psychology*. 2010;40:947-955.
65. Dorsey R, Rabbani A, Gallagher SA, Conti R, **Alexander GC**. The impact of black box warnings on the use of atypical antipsychotic medicines. *Archives of Internal Medicine*. 2010;170:96-103. PMID: 20065205  
  

Editorial: Rochon PA, Anderson GM. Prescribing optimal drug therapy for older people: sending the right message. *Archives of Internal Medicine*. 2010;170:103-106. PMID: 20065206
66. Basu A, Yin W, **Alexander GC**. The impact of Medicare Part D on Medicare-Medicaid dual-eligible beneficiaries' prescription utilization and expenditures. *Health Services Research*. 2010;45:133-151. (National Bureau of Economic Research [NBER] Working Paper #W14413) PMID: 20002765
67. Cohen A, Rabbani A, Shah N, **Alexander GC**. Changes in glitazone use among office-based physicians in the United States, 2003-2009. *Diabetes care*. 2010;33:823-825. PMCID: PMC2845035
68. Torke AM, Moloney R, Siegler M, Abalos A, **Alexander GC**. Physicians' views on the importance of patient preferences in surrogate decision making. *Journal of the American Geriatrics Society*. 2010;58:533-538. PMID: 20158556
69. Tseng C, Brook RH, **Alexander GC**, Hixon A, Keeler E, Mangione CM, Chen R, Jackson E, Adams Dudley R. Physicians' use of health information technology and knowledge of formularies, prescription copayments, and retail drug prices. *American Journal of Managed Care*. 2010;16:e105-e110. PMID: 2037031
70. Lale A, Moloney RM, **Alexander GC**. Academic medical centers and underserved communities: modern complexities of an enduring relationship. *Journal of the National Medical Association*. 2010;102:605-613. PMID: 20690324
71. Saunders MR, Cagney KA, Ross LF, Alexander GC. Neighborhood Poverty, Racial Composition and Renal Transplant Waitlist. *American Journal of Transplantation*. 2010;10:1912-1917. PMID: 20659097
72. Qato DM, Lindau ST, Conti RM, Schumm P, **Alexander GC**. Racial and ethnic disparities in cardiovascular medication use among older adults in the United States. *Pharmacoepidemiology and Drug Safety*. 2010;19:834-842. PMID: 20681002






73. Shah ND, Montori VM, Krumholz HM, Tu K, **Alexander GC**, Jackevicius CA. Geographic Variation in the Response to FDA Boxed Warnings for Rosiglitazone. *N Engl J Med*. 2010;22:2081-2084. PMID: 21083379
74. **Alexander GC**, Gallagher SA, Mascola A, Moloney RM, Stafford RS. Increasing off-label use of antipsychotic medicines, 1995-2008. *Pharmacoepidemiology and Drug Safety*. 2011;20:177-84. PMCID: PMC3069498
75. **Alexander GC**, O'Connor AB, Stafford RS. Enhancing prescription drug innovation and adoption. *Annals of Internal Medicine*. 2011;154:833-837. PMID: 21690598
76. Liu FX, **Alexander GC**, Crawford SY, Pickard AS, Hedeker D, Walton SM. Impact of Medicare Part D on Emergency Department Use, Hospitalizations, and Preference-based Health Utility. *Health Services Research*. 2011;46:1104-1123. PMID: 21609328
77. Higashi AS, Zhu S, Stafford RS, **Alexander GC**. National trends in outpatient asthma treatment, 1997-2009. *Journal of General Internal Medicine*. 2011;26:1465-70. Epub 2011 Jul 16. PMID: 21769507
78. Redmann AJ, Brasel KJ, **Alexander GC**, Schwarze ML. Use of Advanced Directives for High Risk Operations: A National Survey of Surgeons. *Annals of Surgery*. 2011 Dec 1. [Epub ahead of print]. PMID: 22167006
79. Qato DM, **Alexander GC**. Post-Marketing Drug Safety and the Food and Drug Administration's Risk Evaluation and Mitigation Strategies. *JAMA*. 2011;306:1595-1596.
80. Brush DR, Brown CE, **Alexander GC**. Critical care physicians' approaches to negotiating with surrogate decision makers: a qualitative study. *Critical Care Medicine*. 2012;40:1080-1087. PMID: 22080645  

Editorial: Siegel MD, Perez MT. Within the black box: Exploring how intensivists resolve conflict at the end-of-life. *Critical Care Medicine*. 2012;40:1339-1340.
81. Pillarella J, Higashi A, **Alexander GC**, Conti R. Trends in the use of atypical antipsychotics for the treatment of bipolar disorder in the United States, 1998-2009. *Psychiatric services*. 2012;63:83-86.
82. Garfield CF, Dorsey ER, Zhu S, Huskamp HA, Conti R, Dusetzina SB, Higashi A, Perrin J, **Alexander GC**. U.S. Trends in the Diagnosis and Treatment of Attention Deficit Hyperactivity Disorder, 2000-2010. *Academic Pediatrics*. 2012;12:110-116.
83. Ross JS, Jackevicius CA, Krumholz HM, Ridgeway JL, Montori VM, Alexander GC, Zerzan JT, Fan J, Shah ND. State Medicaid Programs Did Not Make Use Of Prior Authorization To Promote Safer Prescribing After Rosiglitazone Warning. *Health Affairs*. 2012;31:188-98.
84. Dusetzina SB, Higashi A (\*co-first author), Dorsey ER, Conti R, Huskamp HA, Zhu S, Garfield CF, **Alexander GC**. Impact of FDA risk communications on health care utilization and health behaviors: a systematic review. *Medical Care*. 2012;50:466-78  

Editorial: Dal Pan GJ. Communicating the risks of medicines: time to move forward. *Medical Care*. 2012;50:463-465.

85. Pham-Kanter G, **Alexander GC**, Nair K. Effect of financial disclosure laws on physician prescribing. *Archives of Internal Medicine*. 2012;172:819-821.
86. Paczynski RP, **Alexander GC**, Chinchilli VM, Kruszewski SP. Quality of evidence in drug compendia supporting off-label use of typical and atypical antipsychotic medications. *International Journal of Risk and Safety in Medicine*. 2012;24:137-146.
87. Kirley K, Qato DM, Kornfield R, Stafford RS, **Alexander GC**. National trends in oral anticoagulant use in the United States, 2007-2011. *Circulation: Cardiovascular Outcomes and Quality*. 2012;5:615-621.
88. **Alexander GC**, Lambert BL. Is Treatment Heterogeneity an Achilles' Heel for Comparative Effectiveness Research? *Pharmacotherapy*. 2012;32:583-585.
89. Brush DR, Rasinski KA, Hall JB, **Alexander GC**. Recommendations to limit life support: A national survey of critical care physicians. *American Journal of Respiratory and Critical Care Medicine*. 2012;186:633-639.  
  
Editorial: Hillman KM. Limitations at the End of Life. *American Journal of Respiratory and Critical Care Medicine*. 2012;186:581-582.
90. Schwarze ML, Redmann AJ, **Alexander GC**, Brasel KJ. Surgeons expect patients to buy-in to postoperative life support preoperatively: Results of a national survey. *Critical Care Medicine*. 2012;41:1-8.  
  
Editorial: Buchman TG. Informal Contracts, Shared Decision Making, and the Covenant of Care. 2012;41:326-327.
91. **Alexander GC**, Kruszewski SP, Webster DW. Rethinking Opioid Prescribing to Protect Patient Safety and Public Health. *JAMA*. 2012;308:1865-1866.
92. Schwarze ML, Redmann AJ, Brasel KJ, **Alexander GC**. The role of surgeon error in withdrawal of postoperative life support. *Annals of Surgery*. 2012;256:10-15.
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96. Kozman D, Graziul C, Gibbons R, **Alexander GC**. Association between unemployment rates and prescription drug utilization in the United States, 2007-2010. *BMC Health Services Research*. 2012;12:1-8.
97. Tan J, **Alexander GC**, Segal J. Academic Programs Play A Vital Role in the Study of Drug Safety and Effectiveness. *Clinical Therapeutics*. 2013;35:380-384.

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  101. Kornfield R, Watson S, Higashi A, Dusetzina S, Conti R, Garfield R, Dorsey ER, Huskamp HA, **Alexander GC**. Impact of FDA Advisories on Pharmacologic Treatment of Attention Deficit Hyperactivity Disorder. *Psychiatric Services*. 2013;64:339-46.
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  105. Daubresse M, Gleason PP, Peng Y, Shah N, Ritter ST, **Alexander GC**. Impact of a Drug Utilization Review Program on Utilization of Prescription Opioids and Other Controlled Substances. *Pharmacoepidemiology and Drug Safety*. 2013;DOI: 10.1002/pds.3487.
- Editorial: Coplan P. Controlling Controlled Substances Abuse and Misuse by Managed Care Payers: A New Generation of Risk Management Initiatives? *Pharmacoepidemiology and Drug Safety*. 2014. [Online ahead of print] DOI: 10.1002/pds.3578
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112.  (b) (4)
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114. Hampton LM, Daubresse M, Chang HY, **Alexander GC**, Budnitz DS. Psychiatric Drug Adverse Events among Adults Leading to Emergency Department Visits. *JAMA Psychiatry*. Published online July 9, 2014. Doi:10.1001/jamapsychiatry.2014.436
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121.  (b) (4)
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*Articles and Editorials not peer reviewed* (b) (6)

1. **Alexander GC.** "On Remaining Human." *Becoming Doctors*. Student Doctors Press, La Grange Park, IL: pp 226-228, 1995 (essay).
2. **Alexander GC, Weiss A, George S.** "Virtual Medical School." *The New Physician*. Oct 1996: 16-17 (manuscript).



3. **Alexander GC.** Course Guide – Caring for Patients Near the End-of-Life. Case Western Reserve University - School of Medicine, 1997;1-88 (curriculum).
4. **Alexander GC,** Weiss A. Providing laptops to promote computer use: lessons learned. Academic Medicine. 1998;73:224-225 (letter).
5. **Alexander GC.** Patient care and student education. Virtual Mentor: Ethics Journal of the American Medical Association. Available at: <http://www.ama-assn.org/ama/pub/category/7678.html> Accessed April 26, 2002 (invited commentary).
6. **Alexander GC,** Kwiatkowski C. Diagnosing and managing adverse drug events in hospitalized patients. Topics in Drug Therapy (University of Chicago). 2003;45:1-8. (manuscript)
7. **Alexander GC,** Casalino LP, Metlzer DO. Factors in studying patient-physician communication. JAMA. 2003;290:2544. (letter)
8. **Alexander GC.** Prescriptions of sleep. Canadian Family Physician. 2004;50:543-545. (essay)
9. **Alexander GC.** Unnecessary tests and ethics of quality of care. Virtual Mentor: Ethics Journal of the American Medical Association. Available at: <http://www.ama-assn.org/ama/pub/category/12470.html> Accessed June 2, 2004. (invited commentary)
10. **Sayla M,** **Alexander GC.** An annotated bibliography exploring prescription cost-sharing. Prepared for the national meeting of the Society of General Internal Medicine. June, 2005. (annotated bibliography)
11. **Alexander GC.** Issue brief: Many physicians engaged in addressing health disparities. Developed on behalf of the Commission to End Health Disparities, April 2005. (issue brief)
12. **Alexander GC.** Geographic barriers and access to care. Virtual Mentor: Ethics Journal of the American Medical Association. 2005;7. Available at: <http://www.ama-assn.org/ama/pub/category/15218.html> Accessed July 5, 2005. (invited commentary).
13. **Alexander GC.** A crash course? What happens when a patient's medical and economic best interests collide? Virtual Mentor: Ethics Journal of the American Medical Association. 2006;8:147-149. Available at: <http://www.ama-assn.org/ama/pub/category/15954.html> Accessed March 1, 2006. (invited commentary)
14. **Smith PJ,** **Alexander GC,** **Siegler M.** Should editorials in peer-reviewed journals be signed? Chest. 2006;129:1395-1396. (invited editorial)
15. **Alexander GC,** **Lantos JD.** Bioterrorism, public service, and the duty to treat. Cambridge Quarterly. 2006;15:422-423. (invited commentary)
16. **Torke AM,** **Alexander GC.** Can healers have private lives? Virtual Mentor: Ethics Journal of the American Medical Association. 2006;8:441-448. Available at: <http://www.ama-assn.org/ama/pub/category/16375.html> Accessed July 26, 2006. (invited commentary)
17. **Alexander GC,** **Lantos J.** The nuances of self-disclosure. Response to: "Physician self-disclosure in primary care visits: enough about you, what about me?" Arch Intern Med. 2008;168:242-244. (letter)

18. Torke A, **Alexander GC**, Lantos J, Siegler M. Response to letter regarding “The doctor-surrogate relationship.” Archives of Internal Medicine. 2008;168:241-242. (letter)
19. **Alexander GC**. Dilemmas for a reason. Journal of Clinical Ethics. 2008;19:70-71. (invited commentary)
20. Lale A, **Alexander GC**. The Urban Health Initiative: a story of one academic medical center and the underserved. SGIM Forum. December 2008. (invited editorial)
21. Torke AM, **Alexander GC**, Lantos J. Substituted judgment. Journal of General Internal Medicine. 2009;24:146. (letter to editor, reply).
22. Saunders M, **Alexander GC**. Turning and churning: loss of health insurance among adults in Medicaid. Journal of General Internal Medicine. 2009;24:133-4. (invited editorial)
23. Walton SM, Schumock GT, Lee KV, **Alexander GC**, Meltzer D, Stafford RS. Importance of distinguishing supported and unsupported off-label use. Archives of Internal Medicine. 2010;170:657-658. (Letter to editor, reply)
24. Qato DM, **Alexander GC**. Response to: Hartung DM, Evans D, Haxby DG, Kraemer DF, Andeen G, Fagnan LJ. Effect of Drug Sample Removal on Prescribing in a Family Practice Clinic Ann Fam Med 2010 8:402-409. (letter to editor, reply)
25. **Alexander GC**. Clinical prescribing (and off-label use) in a second-best world. Medical care. 2010;48:285-287. (invited editorial)
26. Health IQ:2011. The Frontiers of Healthcare Advancement. IMS Institute for Healthcare Informatics. Diffusion of Innovation: Patterns and Effects. (Invited Chapter).
27. **Alexander GC**. Researcher’s Corner: Talk Early and Often. SGIM Forum. 2011;34:5.
28. Dusetzina S, **Alexander GC**. Drug vs. Class-Specific Black Box Warnings: Does One Bad Drug Spoil the Bunch? Journal of General Internal Medicine. 2011;26:570-572. (invited editorial)
29. **Alexander GC**. Seeding trials and the subordination of science. Arch Intern Med. 2011;171:1107-1108. (invited editorial)
30. deSouza JA, **Alexander GC**. Unsupported off-label use of cancer therapies: new challenges in the era of biopharmaceuticals. Expert Review of Pharmacoeconomics & Outcomes Research. 2011;11:495-498. (invited editorial)
31. Qato DM, **Alexander GC**. Just Because It’s Low Cost Doesn’t Mean It’s Accessible. Journal of General Internal Medicine. 2012;27:1233-1234. (invited editorial)
32. Tan J, **Alexander GC**, Segal JB. Academic Centers Play a Vital Role in the Study of Drug Safety and Effectiveness. Clin Ther. 2013;35:380-384. (invited editorial)
33. **Alexander GC**. Curious Conundrums of Off-label Prescribing. PM&R. 2013;5:882-889. (invited editorial)

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37. **Alexander GC.** Capsule Commentary on Faerber and Kreling, “Content Analysis of False and Misleading Claims in Television Advertising for Prescription and Nonprescription Drugs”. *Journal of General Internal Medicine.* (invited commentary)

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### *Chapters*

1. **Alexander GC, Wynia MK.** Survey research in bioethics. In “*Empiric Methods for Bioethics: A Primer.*” Eds: Jacoby L, Siminoff LA. Elsevier Press, New York, New York, 2007”.

2.

3. Saunders M, Alexander GC, Siegler M. Clinical ethics and the practice of hospital medicine. In “*Principles and Practice of Hospital Medicine.*” Eds: McKean, Ross, Dressler, Brotman, Ginsberg. McGraw-Hill Companies, 2012.

### *Other*

Designed and hosted a web site devoted to patient education and empowerment regarding prescription costs and polypharmacy. Previously available (2005-2012) at: <http://prescriptions.bsd.uchicago.edu/>

APPEARS THIS WAY ON ORIGINAL.

**CURRICULUM VITAE**  
G. Caleb Alexander, MD, MS

PART II

**TEACHING (Johns Hopkins University, 2012-present)**

*Graduate students (iMPH or MPH Advisor)*

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(b) (6)

*Graduate students (MHS Advisor)*

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(b) (6)

*Graduate students (Capstone Advisor)*

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(b) (6)

*Graduate Students (Doctoral)*

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(b) (6)

4

*Other Trainees (Post-doctoral)*

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(b) (6)

*Classroom Instruction*

Designer and lecturer of course on Pharmacoepidemiology: Drug Utilization (340.684.01)  
Lecturer, Epidemiology of Aging (340.616.01)  
Lecturer, Pharmacoepidemiology Methods (340.682.01)  
Lecturer, Graduate Summer Institute of Epidemiology and Biostatistics: Pharmacoepidemiology (340.617.11)  
Small Group Facilitator: Clinical Epidemiology, Johns Hopkins School of Medicine, 2014

*Other significant teaching*

Participate in informal mentoring through works in progress, journal clubs and seminar series within the Departments of Epidemiology (School of Public Health) and the Division of General Internal Medicine (Johns Hopkins Medicine)

Co-lead Special Seminar Series “Pharmaceutical Safety, Value and Innovation” sponsored by Center for Drug Safety and Effectiveness

**TEACHING (University of Chicago, 2001-2012)**

*Undergraduate students*

(b) (6)



*Graduate students*

(b) (6)



*Medical students*

(b) (6)



### *Residents*

(b) (6)

### *Fellows*

(b) (6)

### *Post-doctoral fellows*

(b) (6)

### *Classroom Instruction*

Lecturer, The doctor-patient relationship in clinical practice (2002-2011)  
Lecturer, MacLean Center for Clinical Ethics Summer Intensive (2003-2011)  
Designer and lecturer, Research Design Course for RWJF Clinical Scholars (2004-2006)  
Designer and lecturer, Research Design Course for Fellow Summer Intensive (2004-2006)  
Lecturer, Introductory Course on the fundamentals of health services research

### *Other significant teaching*

Group leader for medical student summer research program (2004-2011)  
National Youth and Leadership Forum, Faculty participant (2005-2010)  
Participant in 1:1 Mentoring Program, Society of General Internal Medicine, 2007

## **RESEARCH GRANT AND CONTRACT PARTICIPATION**

### *Current support*

Grant: ID# 72452; 2/15/2015-1/31/2017; Robert Wood Johnson Foundation (Rutkow)  
Purpose: To understand the role of interorganizational relationships, information sharing and legally established infrastructure on prescription drug monitoring programs' function and impact within the public health system

Grant: 1 R01 HL 107345-01; 4/1/11-3/31/15; NHLBI (Alexander, Co-PI)  
Purpose: To examine the effect of DTCA on prescription and non-prescription health care utilization

Grant: 1 R01 AG034187-01; 7/1/2012-6/30/2015; National Institutes on Aging (Kaestner)  
Purpose: To determine if Part D Prescription Coverage Improves Health and Reduces Inpatient Use

Grant: 1 U01 CE002499-01; 9/1/2014-9/1/2016; Center for Disease Control and Prevention (Alexander)  
Purpose: To evaluate the effect of Florida's Pill-Mill Law on opioid prescribing, utilization and dispensing

Grant: ID# 24741; 7/1/2014-1/1/2016; Robert Wood Johnson Foundation (Alexander)  
Purpose: To evaluate the effect of Prescription Drug Monitoring Programs on opioid prescribing, utilization and dispensing

Grant: 1 U01 FD004977-01; 7/1/2014-7/1/2016; Food and Drug Administration (Alexander)  
Purpose: To Enhance Regulatory Science Through a Unique FDA-Academic Partnership (CERSI)

*Past support (selected list)*

Grant: 1 R01 HS 018960-01; 8/1/10-7/31/14; Agency for Health Care Quality and Research (Alexander)  
Purpose: To assess the effect of FDA advisories on provider, patient, and firm behavior

Grant: 1 K08 HS15699-01A1; 2/01/06-2/01/11; Agency for Health Care Quality and Research (Alexander)  
Purpose: To conduct a randomized trial to reduce patient's out-of-pocket prescription costs

Grant: Robert Wood Johnson Physician Faculty Scholars Award; 7/1/06-6/30/09; RWJ Foundation (Alexander)  
Title: Development and evaluation of interventions to reduce patients' prescription costs



Grant: The University of Chicago Program for Pharmaceutical Policy; 2/01/05-6/1/09; The Merck Foundation (Meltzer)  
Purpose: To foster innovative research at the University of Chicago in pharmaceutical policy with a focus on regulation, innovation, and technology assessment

Contract: HHSA 290 200 500 381; 9/16/05-9/15/10; Agency for Health Care Quality and Research (Schumock)  
Title: Chicago Area Pharmaceutical Outcomes Research Consortium. Developing Evidence to Inform Decisions about Effectiveness: The DEcIDE Network

Grant: The Greenwall Foundation; 7/1/10-6/30/11 (Alexander)  
Purpose: To conduct a mixed-methods study to examine management of conflict between physicians and surrogates of critically ill adults

Grant: Center for Education and Research on Therapeutics (CERT); 09/01/07 – 3/31/11; Agency for Health Care Quality and Research (Meltzer)  
Purpose: To create an education and research infrastructure that produces and disseminates knowledge to improve the effectiveness and cost-effectiveness of the use of therapeutics



Contract: HHSA29020050038I; 9/15/06-1/29/07; AHRQ (Walton)

Purpose: To develop a method of prioritization of research efforts on off-label drug use

Grant: R39OT03411-01-00; 10/01/04-09/30/07; Health Resources and Services Administration Division of Transplantation (Lang)

Purpose: To develop, implement, and assess workplace intervention to increase organ donor intention

Grant: Donald W. Reynolds Foundation; 9/1/03-8/31/07; National Institute of Aging (Sachs)

Purpose: Faculty Development in Geriatrics

Grant: Robert Wood Johnson Foundation Clinical Scholars Program; 7/1/03-7/1/06; Robert Wood Johnson Foundation (Lantos)

Purpose: To provide a post-residency academic program that trains scholars to apply pure research methods to health-related problems.

Grant: 1 H39 OT 00086-01; 10/01/01-09/30/04; Health Resources and Services Administration Division of Transplantation (Lang)

Purpose: To develop, implement, and assess a corporate workplace intervention designed to increase intention to become an organ donor

Grant: 5 K12 AG00488; 09/01/96-08/31/04; National Institute of Aging (Sachs)

Purpose: Geriatric Academic Program Award

## ACADEMIC SERVICE

2015	Faculty Search Committee, Johns Hopkins Berman Institute of Bioethics
2014-	Graduate Training Program in Clinical Investigation (GTPCI) Review Committee
2014-	Admissions and Credentials Committee, Department of Epidemiology, JHSPH
2014-	Technology Transfer Committee, JHSPH
2013-	Curriculum Committee, Department of Epidemiology, JHSPH
2010-2012	Diabetes Research and Training Center, University of Chicago
2006-2010	Biological Sciences Division Institutional Review Board Member
2006	Steering Committee, Conference on Pharmaceutical Policy, Chicago, Illinois
2006-2008	Steering Committee, DOM Research Day, University of Chicago
2006-2008	Steering Committee, UOC Program in Pharmaceutical Policy, University of Chicago
2005-2006	Search Committee, UOC Comprehensive Cancer Center, Population Science Director
2003-2012	MacLean Center Ethics Committee, University of Chicago
2003-2008	Medicine and the Social Sciences, Co-Chair, University of Chicago
2000-2001	General Medicine Interest Group, Co-Chair, UPHS
2000-2001	Residency Review Committee, Class Officer, UPHS
1999-2001	Hospital of the University of Pennsylvania Ethics Committee, UPHS

1996-1997	Rainbow Babies and Children's Hospital Ethics Committee, CWRU
1994-1996	Class Officer and Chair, Committee of Student Representatives, CWRU

## INVITED SEMINARS

### *Local or Regional Seminars*

1. Racial differences in access and outcomes of kidney transplantation. Workshop on medicine and the social sciences. University of Chicago. November 2002.
2. Public support for physician deception of insurance companies. Council on ethical and judicial affairs, American Medical Association. Chicago, IL. April 2003.
3. Truth and lies: are the rules different for lawyers? Panel discussion at the American Bar Association Conference on Professional Responsibility. May 2003.
4. Patient-physician communication about out-of-pocket costs. Northwestern University, December 2002.
5. Patient-physician communication about out-of-pocket costs. Program in Medicine, Arts, and the Social Sciences. University of Chicago. Feb 2004.
6. Patient-physician communication about out-of-pocket costs. Program in Medicine, Arts, and the Social Sciences. University of Chicago. February 2004.
7. Is prescription choice rational? By whose standards? Pharmaceutical innovation and regulation: an American dilemma. Faculty workshop, University of Chicago. February 2004.
8. The doctor-patient relationship in the post-managed care era. American Medical Association. Chicago, IL. May 2004.
9. National trends in Cox-2 inhibitor use since market release: the non-selective diffusion of a selectively cost-effective innovation. Center for Pharmacoeconomics Research, University of Illinois School of Pharmacy. July 2004.
10. Division of Geriatrics Grand Rounds, University of Chicago Hospitals. A framework for medication prioritization and discontinuation. December 2004.
11. Department of Medicine Grand Rounds, University of Chicago Hospitals. Pharmaceutical innovation and the doctor-patient relationship: understanding the diffusion of Cox-2 inhibitors from 30,000 feet to the ground level. February 2005.
12. Bioethics Interest Group, Stritch School of Medicine, Loyola University. Physician deception of insurance companies. April 2005.
13. Midwest Center for Health Services and Policy Research. Hines Veterans Affairs System, Hines, IL. The diffusion of pharmaceutical innovation in the Veterans Affairs Health System. November 2005.
14. American Medical Student Association Panel Discussion. Pritzker School of Medicine, University of Chicago. Discussed role of industry in physician education and prescribing. November 2005.

15. Bioethics Interest Group. Pritzker School of Medicine, University of Chicago. Empiric ethics . . . or . . . what do numbers have to do with right and wrong? February 2006.
16. Chicago Medical Society. Panel discussion on medical ethics. Holiday Inn – Chicago Mart Plaza. Chicago, IL. March 2006.
17. Ethics dinner discussion with students from Pritzker Medical School, University of Chicago, May 2006.
18. The road less traveled – career paths in general internal medicine. National Youth Leadership Forum on Medicine, Chicago, IL. June 2006.
19. The Union League. Ethics considerations in pandemic planning. Chicago, IL. October 2006.
20. Attention: You have just entered the cost-sharing era: ethical, policy, and clinical considerations. Department of Medicine Research Series, December 2006.
21. Pharmacothis and pharmacothat: exploring topics in pharmaceutical research. University of Chicago Division of General Medicine Outcomes Group. March 2007.
22. Thinking globally, acting locally: a Chicagoland collaboration to unravel the impact of the Medicare Prescription Drug Benefit. TAP Pharmaceuticals. Chicago Midwest ISPOR Meeting. April 2007.
23. What do general internists do, and why? National Youth Leadership Forum on Medicine, Chicago, IL. June 2007.
24. The best of times, the worst of times: clinical decision-making and prescription choice in the 21<sup>st</sup> Century. Department of Otolaryngology. University of Chicago. October 2007.
25. What do we know about health care provider interaction with the pharmaceutical industry? University of Illinois Medical Center at Chicago Clinical Ethics Conference. March 2008.
26. Asking the right question(s) and getting funded to do so. University of Illinois at Chicago Advanced methods and grant writing workshop. March 2008.
27. Challenges and opportunities examining the off-label use of prescription medicines. Institute for Healthcare Studies. Northwestern University, Chicago, IL, May 2008.
28. Improving pharmacotherapy during outpatient care. Primary care medicine today (PRIMED) conference. Rosemont, IL, February 2009.
29. Choosing a research question: the perennial dilemma of “what shall I study”? Midwest Hospitalist Meeting. Chicago, IL. October 2009.
30. Conflicts of interest in medicine. Pritzker School of Medicine, University of Chicago. May 2010.
31. Using social network methods to study prescription drug uptake and diffusion. Department of Health Studies. University of Chicago. November 2010.
32. Managing risk through ethical practice. ISMIE Mutual Insurance Company. Chicago, IL 2010.

33. Overview of Clinical Epidemiology, in Fundamentals of Epidemiology. Johns Hopkins Krieger School of Arts and Sciences. November 2012.
34. The Prescription Opioid Epidemic: In Search of Mission Control.
  - Johns Hopkins Welch Center for Prevention, Epidemiology and Clinical Research Grand Rounds. December 2012.
  - University of Maryland Department of Pharmaceutical Health Services Research. April 2013.
  - Johns Hopkins Department of Medicine Osler Grand Rounds, October 2013.
  - Anne Arundel Medical Center Department of Medicine Grand Rounds, January 2014.
35. Drugs and Aging, in Epidemiology of Aging. Johns Hopkins Bloomberg School of Public Health. May 2013.
36. Career Development, in Public Health Economics Seminar. Johns Hopkins Bloomberg School of Public Health. September 2013.
37. The Effect of FDA Risk Communications on Patient, Provider and Firm Behavior. Johns Hopkins Department of Psychiatry Research Conference, December 2013.
38. Managing Prescription Opioids In Workers Compensation Programs. American Insurance Association. Washington, DC. June 2014.
39. Secondary Data Analysis. General Internal Medicine Fellows Conference. Johns Hopkins Medicine. Baltimore, MD. September 2014.
40. Center for Medical Technology Policy (CMTP) Green Park Collaborative Annual Meeting. “Real World Evidence – Defining What “Good” Looks Like”. Panel Discussion. April 2015.

*National or International Seminars*

41. Panel discussion of interdisciplinary health professions education. Ohio League of Nursing Annual Meeting, Cleveland, Ohio, October 1996.
42. Grand Rounds, Department of Medicine, University of Pennsylvania: Pharmaceutical industry sponsorship of continuing medical education: training physicians or marketing products? June 2001.
43. Patient-physician communication about out-of-pocket costs. University of Michigan, January 2003.
44. Patient-physician communication about out-of-pocket costs. MetroHealth Medical Center, January 2003.
45. “Luxury care”, professional standards, and personal choice: ethical and professional issues in retainer medical practices. Panel discussion at the American Society of Bioethics and Humanities Annual Meeting. October 2004.
46. Ad hoc pharmacoeconomics working group. AstraZeneca LP. Patient-physician communication about out-of-pocket costs. June 2005.

47. How much should \$38 billion buy? The uptake and impact of the Medicare Part D Prescription Benefit. Department of Medicine. VA Center for Health Equity Promotion and Research and University of Pittsburgh Department of Medicine. December 2007.
48. The Medicare Modernization Act Prescription Drug Benefit. Department of Ambulatory Care and Prevention, Harvard Medical School. January 2008.
49. Principles of survey research. Patan Academy of Health Sciences. Kathmandu, Nepal, April 2008.
50. Health care publishing in the peer-reviewed literature. Patan Academy of Health Sciences. Kathmandu, Nepal, April 2008.
51. Impact of FDA regulatory advisories on patient, provider and firm behavior. Mayo Clinic, April 2010; Virginia Commonwealth University, October 2010; Yale University, November 2010; Johns Hopkins University School of Medicine, November 2010; Johns Hopkins University School of Public Health, June 2011.
52. Special Guest: FED UP: Rally for a Federal Response to the Opioid Epidemic, National Sylvan Theater Stage at the Washington Monument, Washington DC, September 2014.
53. Panelist: Art and Science of Scientific Communications. CBI Advanstar. Publication Planning Forum. Philadelphia, PA. December 2014.

## **NARRATIVE**

G. Caleb Alexander, MD, MS is an Associate Professor of Epidemiology and Medicine at Johns Hopkins Bloomberg School of Public Health, where he serves as a founding co-Director of the Center for Drug Safety and Effectiveness. He is a practicing general internist and pharmacoepidemiologist and is internationally recognized for his research examining prescription drug utilization. Dr. Alexander is the author of over 170 scientific articles and book chapters, and he has published regularly in leading scientific journals including JAMA, Health Affairs and the Annals of Internal Medicine. He is a frequent speaker on health care issues and has served on numerous editorial and advisory boards, including Drug Safety, Journal of General Internal Medicine, American Journal of Health System Pharmacy, Medical Decision Making and Medical Care. Due to its impact and relevance to a broad sector of the general public, his work has been widely featured in a media including the Economist, Scientific American, the New York Times, the Wall Street Journal, Washington Post, National Public Radio and other media. Dr. Alexander's research focuses on population-based patterns and determinants of pharmaceutical use, clinical decision-making regarding prescription drugs, and the impact of changes in regulatory and payment policy on pharmaceutical utilization. In addition to expertise conducting survey-based investigations, he has also extensive experience with the analysis of secondary data sources including administrative claims and large national surveys. Dr. Alexander received his B.A. cum laude from the University of Pennsylvania, an MD from Case Western Reserve University, and a Master of Science from the University of Chicago.

## **KEYWORDS**

Pharmacoepidemiology, medication use, pharmaceutical policy, patient-physician communication, general internal medicine